

WHAT IS CLAIMED IS:

1. A composite chromium plating film containing hard particles in network-shaped microcracks, said microcracks having a surface-occupying ratio of 10 to 20% by area and a distribution density of 1,200 to 2,500/cm, and the amount
5 of said hard particles being 1 to 15% by mass per 100% by mass of the entire plating film.
2. The composite chromium plating film according to claim 1, wherein said plating film comprises at least two layers.
3. A sliding member having the composite chromium plating film recited in
10 claim 1 or 2 formed on at least a sliding surface of a sliding member substrate.
4. A method for producing a sliding member comprising conducting at least one cycle comprising (a) forming a hard chromium plating layer on a sliding surface of a sliding member substrate, and (b) subjecting the resultant hard chromium plating layer to an inverse voltage treatment, in a state where said
15 substrate is immersed in a chromium-plating bath containing at least chromium oxide, sulfuric acid, silicofluoride, a sulfonic-group-containing compound or its salt, an anionic surfactant and hard particles.